

GCSE MATHEMATICS

Fractions and Recurring Decimals

Please write clearly in block capitals

Forename:

Surname:

Materials

For this paper you must have:

mathematical instruments

You must not use a calculator.



Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- · The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

Advice

· In all calculations, show clearly how you work out your answer.

1(a)	Which of the following fractions results in a recurring decimal?					
	$\frac{9}{12}$	$\frac{4}{6}$	<u>3</u> 15	$\frac{8}{16}$		
1(b)	Which of the following decimals is the same as $\frac{11}{12}$					
					[1 mark]	
	0.9	1.1	0.89	0.916		
1(c)	Which of the following	g fractions is the same a	as 0.Ġ		[1 mark]	
	$\frac{2}{13}$	$\frac{4}{9}$	<u>6</u> 9	$\frac{13}{50}$	[1	
Turn over for next question						

	3	
2	Find what $\frac{7}{12}$ is as a recurring decimal	[2 marks]
	Answer	
3	$\frac{1}{4}$ as a decimal is 0.25 Find the fraction which is equivalent to 0.25	[3 marks]
		[0
	Answer	
	Turn over for next question	
		Turn over ►

	4		
4	Find what 0. 135 is as a fraction.	[3 marks]	
		_	
		_	
	Answer	_	
5	Janet completes 4 steps out of 11 in order to unlock an achievement on her favourite app. What is the proportion of the achievement that Janet has completed as a recurring decimal?		
		[3 marks]	
		_	
		_	
	Answer	_	
	Turn over for next question		

 $0.8\dot{3} = x$ Step 1: Step 2: $83.\dot{3} = 10 x$ Step 3: $83.\dot{3} = 10 x$ $0.8\dot{3} = x$ 83 = 9xStep 4: 83 - 9 = x*x* = 74 Describe what error(s) Terry has made. Show the correct working to answer Terry's exam question. [3 marks] Answer MM **GCSE Maths Practice Exam Papers** MME ⊘ GCSE Maths predicted papers and mark schemes Paper 1, 2, 3 and mark scheme in every set All exam boards - AQA, OCR, Edexcel, WJEC Get them at mme.la/papers or scan the barcode

Terry is trying to answer the maths question shown below:

"Find what 0.83 is as a fraction"

Terry's workings are shown below:

6

END